



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10/721,997  
IFDO -  
12/10/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFW0

## RAW SEQUENCE LISTING

DATE: 12/16/2003

PATENT APPLICATION: US/10/721,997

TIME: 17:34:11

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

3 <110> APPLICANT: Aventis Behring GmbH  
 5 <120> TITLE OF INVENTION: Modified cDNA Factor VIII and its Derivatives  
 7 <130> FILE REFERENCE: A66  
 > 9 <140> CURRENT APPLICATION NUMBER: US/10/721,997  
 > 9 <141> CURRENT FILING DATE: 2003-11-26  
 9 <160> NUMBER OF SEQ ID NOS: 34  
 11 <170> SOFTWARE: PatentIn version 3.1  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 34  
 15 <212> TYPE: DNA  
 16 <213> ORGANISM: Artificial  
 > 18 <220> FEATURE:  
 > 18 <223> OTHER INFORMATION:  
 > 18 <400> 1  
 19 ggaaccatcg ccagaagtcc ttggaaatct cgcc  
 22 <210> SEQ ID NO: 2  
 23 <211> LENGTH: 34  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial  
 > 27 <220> FEATURE:  
 > 27 <223> OTHER INFORMATION:  
 > 27 <400> 2  
 28 ggcgagattt ccaaggactt ctggcgatgg ttcc  
 31 <210> SEQ ID NO: 3  
 32 <211> LENGTH: 32  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Artificial  
 > 36 <220> FEATURE:  
 > 36 <223> OTHER INFORMATION:  
 > 36 <400> 3  
 37 cccaccaaca tgggtggcatg gaagcttatg tc  
 40 <210> SEQ ID NO: 4  
 41 <211> LENGTH: 32  
 42 <212> TYPE: DNA  
 43 <213> ORGANISM: Artificial  
 > 45 <220> FEATURE:  
 > 45 <223> OTHER INFORMATION:  
 > 45 <400> 4  
 46 gacataagct tccatgccac catgttggtg gg  
 49 <210> SEQ ID NO: 5  
 50 <211> LENGTH: 47  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Artificial

Insert this mandatory numeric  
 identifier whenever 2227, 2227, or  
 2227 is shown.

Please insert  
 Response for  
 Section 2237, if  
 Mandatory  
 per 1.823 of  
 New sequence rules.  
 Please see error  
 explanation pg. 6.

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 1-5)

Same errors

Same errors

Same errors

## RAW SEQUENCE LISTING

DATE: 12/16/2003

PATENT APPLICATION: US/10/721,997

TIME: 17:34:11

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

> 54 <220> FEATURE: ← Same errors  
 > 54 <223> OTHER INFORMATION: ←  
 > 54 <400> 5  
 55 cagaggaacc ccaactacga cgtaaaaata atgaagaagc ggaagac 47  
 58 <210> SEQ ID NO: 6  
 59 <211> LENGTH: 47  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Artificial  
 > 63 <220> FEATURE: ← Same errors  
 > 63 <223> OTHER INFORMATION: ←  
 > 63 <400> 6  
 64 gtcttcgct tcttcattat ttttacgtcg tagttggggt tctctcg 47  
 67 <210> SEQ ID NO: 7  
 68 <211> LENGTH: 42  
 69 <212> TYPE: DNA  
 70 <213> ORGANISM: Artificial  
 > 72 <220> FEATURE: ← Same errors  
 > 72 <223> OTHER INFORMATION: ←  
 > 72 <400> 7  
 73 cccaactacg aatgaaaaat gatgaagaag cggaagacta tg 42  
 76 <210> SEQ ID NO: 8  
 77 <211> LENGTH: 42  
 78 <212> TYPE: DNA  
 79 <213> ORGANISM: Artificial  
 > 81 <220> FEATURE: ← Same errors  
 > 81 <223> OTHER INFORMATION: ←  
 > 81 <400> 8  
 82 catagtcttc cgcttcttca tcatttttca ttcgtagttg gg 42  
 85 <210> SEQ ID NO: 9  
 86 <211> LENGTH: 40  
 87 <212> TYPE: DNA  
 88 <213> ORGANISM: Artificial  
 > 90 <220> FEATURE: ← Same errors  
 > 90 <223> OTHER INFORMATION: ←  
 > 90 <400> 9  
 91 gaagaagcgg aagactatga tgataatctt actgattctg 40  
 94 <210> SEQ ID NO: 10  
 95 <211> LENGTH: 40  
 96 <212> TYPE: DNA  
 97 <213> ORGANISM: Artificial  
 > 99 <220> FEATURE: ← Same errors  
 > 99 <223> OTHER INFORMATION: ←  
 > 99 <400> 10  
 100 cagaatcagt aagattatca tcatagtctt ccgcttcttc 40  
 103 <210> SEQ ID NO: 11  
 104 <211> LENGTH: 38  
 105 <212> TYPE: DNA  
 106 <213> ORGANISM: Artificial  
 > 108 <220> FEATURE: ← Same error

## RAW SEQUENCE LISTING

DATE: 12/16/2003

PATENT APPLICATION: US/10/721,997

TIME: 17:34:11

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

> 108 <223> OTHER INFORMATION: ← SAME error  
 > 108 <400> 11  
 109 ggtcaggttt gatgatgacg actctccttc ctttatcc 38  
 112 <210> SEQ ID NO: 12  
 113 <211> LENGTH: 38  
 114 <212> TYPE: DNA  
 115 <213> ORGANISM: Artificial  
 > 117 <220> FEATURE: ← SAME errors  
 > 117 <223> OTHER INFORMATION: ←  
 > 117 <400> 12  
 118 ggataaagga aggagagtcg tcatcatcaa acctgacc 38  
 121 <210> SEQ ID NO: 13  
 122 <211> LENGTH: 38  
 123 <212> TYPE: DNA  
 124 <213> ORGANISM: Artificial  
 > 126 <220> FEATURE: ← SAME errors  
 > 126 <223> OTHER INFORMATION: ←  
 > 126 <400> 13  
 127 cccttagtcc tcgccccctc tgacagaagt tataaaaag 38  
 130 <210> SEQ ID NO: 14  
 131 <211> LENGTH: 38  
 132 <212> TYPE: DNA  
 133 <213> ORGANISM: Artificial  
 > 135 <220> FEATURE: ← SAME errors  
 > 135 <223> OTHER INFORMATION: ←  
 > 135 <400> 14  
 136 cttttataac ttctgtcaga gggggcgagg actaaggg 38  
 139 <210> SEQ ID NO: 15  
 140 <211> LENGTH: 41  
 141 <212> TYPE: DNA  
 142 <213> ORGANISM: Artificial  
 > 144 <220> FEATURE: ← SAME errors  
 > 144 <223> OTHER INFORMATION: ←  
 > 144 <400> 15  
 145 gtccgattta tggcatacac agatgttacc tttaagactc g 41  
 148 <210> SEQ ID NO: 16  
 149 <211> LENGTH: 41  
 150 <212> TYPE: DNA  
 151 <213> ORGANISM: Artificial  
 > 153 <220> FEATURE: ← SAME errors  
 > 153 <223> OTHER INFORMATION: ←  
 > 153 <400> 16  
 154 cgagtcttaa aggtaacatc tgtgtatgcc ataaatcgga c 41  
 157 <210> SEQ ID NO: 17  
 158 <211> LENGTH: 37  
 159 <212> TYPE: DNA  
 160 <213> ORGANISM: Artificial  
 > 162 <220> FEATURE: ← SAME errors  
 > 162 <223> OTHER INFORMATION: ←

## RAW SEQUENCE LISTING

DATE: 12/16/2003

PATENT APPLICATION: US/10/721,997

TIME: 17:34:11

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

> 162 <400> 17  
163 cctttaagac tcgtaaagct attcagcatg aatcagg 37  
166 <210> SEQ ID NO: 18  
167 <211> LENGTH: 37  
168 <212> TYPE: DNA  
169 <213> ORGANISM: Artificial  
> 171 <220> FEATURE: ← Same errors  
> 171 <223> OTHER INFORMATION: ←  
> 171 <400> 18  
172 cctgattcat gctgaatagc tttacgagtc ttaaagg 37  
175 <210> SEQ ID NO: 19  
176 <211> LENGTH: 46  
177 <212> TYPE: DNA  
178 <213> ORGANISM: Artificial  
> 180 <220> FEATURE: ← Same errors  
> 180 <223> OTHER INFORMATION: ←  
> 180 <400> 19  
181 cacactgttg atttatatta agaataaagc aagcagacca tataac 46  
184 <210> SEQ ID NO: 20  
185 <211> LENGTH: 46  
186 <212> TYPE: DNA  
187 <213> ORGANISM: Artificial  
> 189 <220> FEATURE: ← Same errors  
> 189 <223> OTHER INFORMATION: ←  
> 189 <400> 20  
190 gttatatggt ctgcttgctt tattcttaaa tataatcaac agtgtg 46  
193 <210> SEQ ID NO: 21  
194 <211> LENGTH: 40  
195 <212> TYPE: DNA  
196 <213> ORGANISM: Artificial  
> 198 <220> FEATURE: ← Same errors  
> 198 <223> OTHER INFORMATION: ←  
> 198 <400> 21  
199 ccctcacgga atcactgatg tctctccttt gtattcaagg 40  
202 <210> SEQ ID NO: 22  
203 <211> LENGTH: 40  
204 <212> TYPE: DNA  
205 <213> ORGANISM: Artificial  
> 207 <220> FEATURE: ← Same errors  
> 207 <223> OTHER INFORMATION: ←  
> 207 <400> 22  
208 ccttgaatac aaaggagaga catcagtgat tccgtgaggg 40  
211 <210> SEQ ID NO: 23  
212 <211> LENGTH: 38  
213 <212> TYPE: DNA  
214 <213> ORGANISM: Artificial  
> 216 <220> FEATURE: ← Same errors  
> 216 <223> OTHER INFORMATION: ←  
> 216 <400> 23

## RAW SEQUENCE LISTING

DATE: 12/16/2003

PATENT APPLICATION: US/10/721,997

TIME: 17:34:11

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

217 gatgtccgtc ctttgtattc agggagatta ccaaaagg 38

220 <210> SEQ ID NO: 24

221 <211> LENGTH: 38

222 <212> TYPE: DNA

223 <213> ORGANISM: Artificial

> 225 <220> FEATURE: ← SAME errors

> 225 <223> OTHER INFORMATION: ←

> 225 <400> 24

226 ccttttggtgta atctccctga atacaaagga cggacatc 38

229 <210> SEQ ID NO: 25

230 <211> LENGTH: 36

231 <212> TYPE: DNA

232 <213> ORGANISM: Artificial

> 234 <220> FEATURE: ← SAME errors

> 234 <223> OTHER INFORMATION: ←

> 234 <400> 25

235 ctgtatttga tgagaaccaa agctggtacc tcacag 36

238 <210> SEQ ID NO: 26

239 <211> LENGTH: 36

240 <212> TYPE: DNA

241 <213> ORGANISM: Artificial

> 243 <220> FEATURE: ← SAME errors

> 243 <223> OTHER INFORMATION: ←

> 243 <400> 26

244 ctgtgaggtgta ccagctttgg ttctcatcaa atacag 36

247 <210> SEQ ID NO: 27

248 <211> LENGTH: 30

249 <212> TYPE: DNA

250 <213> ORGANISM: Artificial

> 252 <220> FEATURE: ← SAME errors

> 252 <223> OTHER INFORMATION: ←

> 252 <400> 27

253 ctccccaatc cagatggagt gcagcttgag 30

256 <210> SEQ ID NO: 28

257 <211> LENGTH: 30

258 <212> TYPE: DNA

259 <213> ORGANISM: Artificial

> 261 <220> FEATURE: ← SAME errors

> 261 <223> OTHER INFORMATION: ←

> 261 <400> 28

262 ctcaagctgc actccatctg gattggggag 30

265 <210> SEQ ID NO: 29

266 <211> LENGTH: 32

267 <212> TYPE: DNA

268 <213> ORGANISM: Artificial

> 270 <220> FEATURE: ← SAME errors

> 270 <223> OTHER INFORMATION: ←

> 270 <400> 29

271 cagctggagt gcagcttcag gatccagagt tc 32

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/721,997

DATE: 12/16/2003  
TIME: 17:34:12

Input Set : A:\Sequence Listing A66.txt  
Output Set : N:\CRF4\12112003\J721997.raw

Valid <213> Response:

of "Artificial" only as "<213> Organism" response is incomplete,  
1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
#:28,29,30,31,32

of <220> Feature(NEW RULES): Error Explanation:

ence(s) are missing the <220> Feature and associated headings.

of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
Unknown". Please explain source of genetic material in <220> to <223>  
tion (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
c.1.823 of new Rules)

#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
#:28,29,30,31,32

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/721,997

DATE: 12/16/2003

TIME: 17:34:12

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

M:270 C: Current Application Number differs, Replaced Current Application No  
M:271 C: Current Filing Date differs, Replaced Current Filing Date  
8 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213> ORGANISM:Artificial  
8 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213> ORGANISM:Artificial  
8 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:18  
7 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213> ORGANISM:Artificial  
7 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213> ORGANISM:Artificial  
7 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:27  
6 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213> ORGANISM:Artificial  
6 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213> ORGANISM:Artificial  
6 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:36  
5 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213> ORGANISM:Artificial  
5 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213> ORGANISM:Artificial  
5 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:45  
4 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213> ORGANISM:Artificial  
4 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213> ORGANISM:Artificial  
4 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:54  
3 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213> ORGANISM:Artificial  
3 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213> ORGANISM:Artificial  
3 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:63  
2 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213> ORGANISM:Artificial  
2 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213> ORGANISM:Artificial  
2 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:72  
1 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213> ORGANISM:Artificial  
1 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213> ORGANISM:Artificial  
1 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:81  
0 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213> ORGANISM:Artificial  
0 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213> ORGANISM:Artificial  
0 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:90  
9 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213> ORGANISM:Artificial  
9 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213> ORGANISM:Artificial  
9 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:99  
08 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213> ORGANISM:Artificial  
08 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213> ORGANISM:Artificial  
08 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:108  
17 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213> ORGANISM:Artificial  
17 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213> ORGANISM:Artificial  
17 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:117  
26 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213> ORGANISM:Artificial  
26 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213> ORGANISM:Artificial  
26 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:126  
35 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213> ORGANISM:Artificial  
35 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213> ORGANISM:Artificial  
35 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:135  
44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213> ORGANISM:Artificial  
44 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213> ORGANISM:Artificial  
44 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:144  
53 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213> ORGANISM:Artificial



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/721,997

DATE: 12/16/2003

TIME: 17:34:12

Input Set : A:\Sequence Listing A66.txt

Output Set: N:\CRF4\12112003\J721997.raw

53 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213> ORGANISM:Artificia  
53 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:153  
62 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213> ORGANISM:Artificia  
62 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213> ORGANISM:Artificia